

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,837,744 B2
DATED : January 4, 2005
INVENTOR(S) : Irwin Hei-Wai To et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page showing illustrative figures should be deleted and substitute therefor the attached title page.

Title page.

Item [56], **References Cited**, U.S PATENT DOCUMENTS, insert the following:

-- 5,017,740 A 5/1991 Honkomp et al.
5,584,716 A 12/1996 Bergman --.

FOREIGN PATENT DOCUMENTS, insert the following:

-- EP 450,153 A 10/1991
FR 2,790,334 A 9/2000
EP 03250801 Search Report dated 5/2003 --.

OTHER PUBLICATIONS, insert the following:

-- Airworthiness Directives, Dept. of Trans., Federal Aviation Administration, 14 CFR part 39;
FAA News, Federal Aviation Administration, APA 159-97, November 26, 1997;
Boeing Service Bulletin, 747 28a2194, ATA 24-44-39th, AIEM 1998 --.

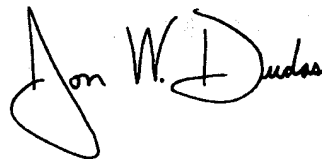
Delete Drawing sheet 1 and substitute therefor the Drawing sheets consisting of Fig 1-3 as shown on attached pages.

Column 3.

Line 28, delete "Coming" and insert -- Corning --

Signed and Sealed this

Twenty-fourth Day of May, 2005



JON W. DUDAS
Director of the United States Patent and Trademark Office

(12) **United States Patent**
To et al.

(10) Patent No.: **US 6,837,744 B2**
(45) Date of Patent: **Jan. 4, 2005**

(54) **ELECTRICAL CONNECTOR FOR
AIRCRAFT FUEL PUMPS**

4,987,283 A * 1/1991 Beinhaur et al. 219/85
6,165,013 A * 12/2000 Broussard 439/606

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* cited by examiner

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **10/099,882**

(22) Filed: **Mar. 13, 2002**

(65) **Prior Publication Data**

US 2003/0176105 A1 Sep. 18, 2003

(51) Int. Cl.⁷ **H01R 13/40**

(52) U.S. Cl. **439/587; 439/281**

(58) Field of Search **439/587, 281,**
439/271, 274, 874, 606; 174/65 G, 151

(56) **References Cited**

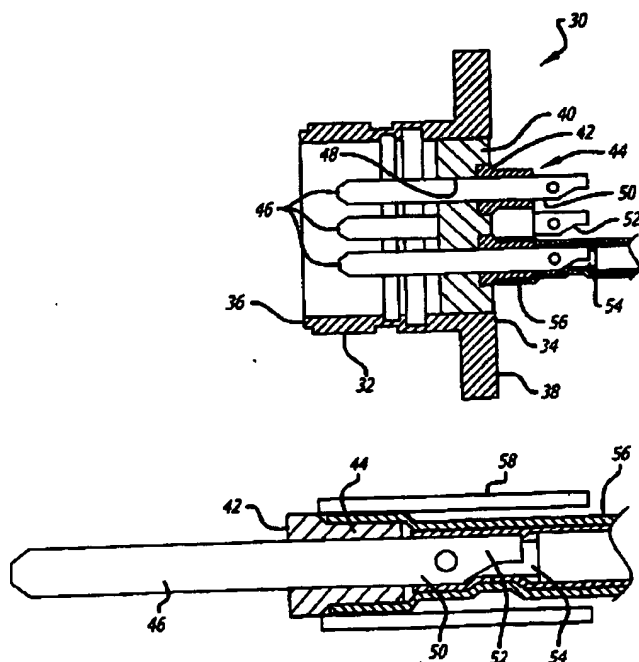
U.S. PATENT DOCUMENTS

4,233,534 A * 11/1980 Tharman 310/71

21 Claims, 1 Drawing Sheet

(57) **ABSTRACT**

The improved electrical connector for aircraft fuel pumps includes a unitary cup-shaped connector shell with an outer radial connector flange, and is configured to increase the distance between connector pins and grounded portions of the connector shell to thus increase the electrical current leak path length to prevent arcing from occurring. A glass electrical insulating plug in the connector shell forms a hermetic seal of the closed end of the connector shell and a plurality of ceramic tubular risers are mounted to the glass insulating plug. Connector pins extend through the risers, and electrical cables are connected to the connector pins. One or more outer layers of heat shrunk electrical insulating tubing cover the risers, a portion of the connector pins extending from the risers, and the electrical cables. An electrical insulating tubular extension may also be placed over the outer layer of insulating tubing.



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